

WHAT IS CLAIMED IS:

1. A printer having a roll paper compartment for housing a recording paper roll, the roll paper compartment comprising:

a bottom panel;

a fixed side panel defining one side of the roll paper compartment in alignment with the width of the printer parallel to its longitudinal axis; and

a movable divider defining another side of the roll paper compartment in substantial alignment with the width of the printer to adjustably accommodate different widths of roll paper and to facilitate placement of a remaining paper detector in the roll paper compartment for detecting if the paper remaining on the paper roll is less than or equal to a predetermined amount;

said movable divider being removably assembled to the bottom panel and having a detector mounting part for removably installing said remaining paper detector.

2. A printer as described in claim 1, wherein the divider is removably connected to one of a multiple number of positions in said roll paper compartment space apart along the bottom panel for adjusting the location of the divider widthwise to the printer.

3. A printer as described in claim 2, wherein the divider comprises a plurality of protruding pins or a plurality of recessed holes; and

wherein the bottom panel has a set of complementary holes for inserting the pins, or a set of complementary pins for insertion into the recessed holes, at a selected one of the multiple positions widthwise to the printer.

4. A printer as described in claim 2, wherein said remaining paper detector is removably mounted to one surface of said movable divider.

5. A printer as described in claim 4, wherein:

the remaining paper detector comprises a detector element positioned at a specified height from the bottom panel;

with said detector element contacting a side of the paper roll stored in the roll paper compartment at a fixed height relative to said bottom panel with said paper roll having a hollow core for supporting the paper roll wherein the position of the detector

element varies with the level of the hollow core in the roll paper compartment such that when the remaining roll paper drops below a predetermined level the detector element enters the hollow core.

6. A printer as described in claim 5, wherein the remaining paper detector is adjustably mounted upon the divider so that the detector element height relative to the remaining paper detector can be adjusted.

7. A printer as described in claim 5, wherein the remaining paper detector is adjustably mounted upon the divider so that the detector element can be positioned at a plurality of different angular positions around an axis of rotation substantially parallel to the widthwise direction of the printer.

8. A printer having a compartment for holding roll paper, said compartment having a fixed first side against which the roll paper is set, and
an adjustable second side that is movable within the printer to accommodate different widths of roll paper;

wherein the printer further comprises a roll paper near-end detector disposed to said second side.